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ABSTRACT

This paper presents findings of a study that examined the leadership practices of women superintendents to determine if their practices fit a new paradigm of administrative leadership. Data collection included: (1) telephone interviews with 30 rural and 21 urban female superintendents across the United States, and (2) completion of the Leadership Practices Inventory-Self questionnaire by 174 out of 249 women superintendents (a 70 percent response rate). The interviews indicated that most of the urban and rural superintendents were hired to be agents of change and that the women viewed their leadership qualities in the same way. Whether in a highly bureaucratic, urban organization or in a small rural setting, these women superintendents were successful at building collegial organizations. Both urban and rural respondents used leadership skills that fit a new paradigm, which values change and connectiveness. Overall, they enjoyed the human relations part of their job. One table is included. Contains 21 references. (LMI)

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NATIONAL STUDY OF WOMEN SUPERINTENDENTS USING THE LEADERSHIP PRACTICES INVENTORY

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NATIONAL STUDY OF WOMEN SUPERINTENDENTS USING THE LEADERSHIP PRACTICES INVENTORY

The prevailing model of educational administration evolved over the last part of the 19th and the early decades of the 20th centuries (Callahan, cited in Adkison, 1981). This leadership model paralleled the managerial changes in business, industry and government; it defined the professional manager as a person who had an "internal decision-making monopoly and authority over others" (Kanter, cited in Adkison, p. 313, 1981) and relied on rigid hierarchical structure, competition and control to bring about results (Ortiz & Marshall, 1988).

There are serious questions about the efficacy of this leadership model. As early as 1988, researchers in educational administration were asking two fundamental questions that highlighted this dilemma: To what extent does a system of hierarchical control enhance teaching and learning? . . . To what extent do traditional ranking and emphasis on competition square with the enhancement of educators as people and of instructional services?" (Ortiz & Marshall, 1988, p. 138).

Experts in business management (Aburdene & Naisbitt, 1992; Covey, 1990; Helgesen, 1990; Peters, 1988; Wheatley, 1992) have discussed the changes in leadership models. These changes are depicted as a shift toward a more flexible organizational structure based on units that are more lateral and

cooperative. Wheatley (1992) considers the need for these kinds of changes when she says:

> Scientists in many different disciplines are questioning whether we can adequately explain how the world works by using the machine imagery created in the seventeenth century, most notably by Sir Isaac Newton. In the machine model, one must understand parts. Things can be taken apart, dissected literally or representationally (as we have done with business functions and academic disciplines), and then put back together without any significant loss. The assumption is that by comprehending the workings of each piece, the whole can be understood. The Newtonian model of the world is characterized by materialism and reductionism---a focus on things rather than relationships and a search, in physics, for the basic building blocks of matter. In the new science, the underlying currents are a movement toward holism, toward understanding the system as a system and giving primary value to the relationships that exist among seemingly discrete parts. Our concept of organizations is moving away from the mechanistic creations that flourished in the age of bureaucracy. We have begun to speak in earnest of more fluid, organic structures, even boundaryless organizations.

> We are beginning to recognize organizations as systems, construing them as learning organizations and crediting them with some type of self-renewing capacity. p. 13

Those in education have articulated the need for a paradigm shift in educational leadership in different terms. This dialogue began with the educational reform movement initiated in the 1980s. Because of the complexity of the issues and the need for a systematic approach to the problems in education, the reform movement calls for educational leaders to move away from a traditional, hierarchical, control-and-command environment (Wesson & Grady, 1994). Wood (1990) has expressed the need for these kinds of educational leaders:

> We take for granted that our schools are communities, when, in fact, they are merely institutions that can become communities only when we work at it. But, with proper attention to all the individuals within the school, we can create an experience for students that demonstrates what it means to be a compassionate, involved citizen. For it is only within a community, not an institution, that we learn how to hold fast to such principles as working for the common good, empathy, equity, and self-respect. p. 33

Educational leaders in these "communities of learners" value leadership over management and emphasize collaboration, consensus building and empowerment. Emphasis is placed on vision, values and guiding principles. The critical theorist, Giroux (1993), expresses the distinctive nature of this kind of educational leadership:

> Instead of weaving dreams limited to the ever-accelerating demand for tougher tests, accountability schemes, and leadership models forged in the discourse of a sterile technician, schools of education need programs which are part of a collective effort to build and revitalize a democratic culture which is open rather than fixed, disputed rather than given, and supportive rather than intolerant of cultural difference. p. 22-23

Methods

To understand more about the leadership practices of the key players in educational leadership, the superintendents of schools, a study of the women superintendents in this country was conducted. The study was two-fold in nature. First, we interviewed a sample of women superintendents about their perceived sources of job satisfaction, the benefits accrued on the job, their sense of self-fulfillment in the work place and personal strengths they brought to the job. Second, we assessed the leadership practices of these

superintendents using the Leadership Practices Inventory-Self (Kouzes & Posner, 1988).

Theoretical Framework for the LPI

Kouzes and Posner framed leadership from information they gathered from managers and executives in the public and private sector who described their "personal best;" that is, the leadership behavior used by the managers and executives when they received outstanding results (Kouzes & Posner, 1987). These "personal best" leadership practices can best be described by the following five practices, each of which has two attendant behaviors:

1. Challenging the process
    a. Search for opportunities
    b. Experiment and take risks
2. Inspiring a shared vision
    a. Envision the future
    b. Enlist others
3. Enabling others to act
    a. Foster collaboration
    b. Strengthen others
4. Modeling the way
    a. Set the example
    b. Plan small wins

5. Encouraging the heart

    a. Recognize contributions

    b. Celebrate accomplishments

The Leadership Practices Inventory-Self (Kouzes & Posner, 1988) measures the extent leaders have adopted these five leadership practices and ten behaviors.

Procedures

Since we were unable to locate a comprehensive directory of women superintendents, we solicited assistance from the American Association of School Administrators, state associations of school administrators, U. S. Department of Education, Office of Educational Research and Improvement (OERI), state departments of education and other researchers. We did receive lists of superintendents' names from state departments of education and state administrators' groups. However, some states would not release the names of their superintendents. Thus we were able to identify 346 women superintendents in 29 states and unable to secure names of women superintendents in the other 21 states. All 346 women superintendents received a letter explaining the study and were asked two questions: Would you be willing to participate in the study and how many years have you been a superintendent? After one mailing 263 (76%) of the superintendents

responded. Of the 263 respondents, 249 (95%) agreed to be a part of the study.

Because we were interested in differences in rural and urban superintendent characteristics, superintendents working in population centers of 50,000 or more or in an area adjacent to such a population center were classified as urban. All others were classified as rural superintendents. In the preliminary study all 31 superintendents initially identified as urban were selected for telephone interviews. We randomly selected 31 rural superintendents for interviews so that we could have an equivalent number of rural superintendents for comparison with the urban subjects.

In an effort to verify our definition of urban, we reviewed characteristics described in publications issued by the U.S. Department of Commerce (1990 Census of Populations, 1992), The World Almanac (Scripps Howard, 1990), and Grolier's Electronic Encyclopedia (1991). These sources suggested a number of complex descriptions of urban areas that did not enhance our ability to define urban superintendents. Thus, as a part of the interview, we asked the superintendents to identify their superintendency in terms of settings. This procedure was compatible with suggestions made by Thomas (1991) for defining urban in educational studies.

Twenty-one urban and 30 rural superintendents were available for telephone interview during January 1993. The superintendents answered 10

open-ended questions in sequence during interviews of 30-45 minutes in length. Each researcher independently reviewed the transcripts of the interviews and identified major themes. The researchers compared their findings to verify accurate identification and naming of the themes. Independently, the researchers developed categories of themes. The researchers then compared the categories and developed the final analysis. (For a full discussion of this study see Wesson & Grady, in press.)

With the permission of the authors, the Leadership Practices Inventory-Self, copyright 1988 by James M. Kouzes and Barry Z. Posner, was mailed in July of 1993 to the 249 women superintendents who agreed to be a part of the study. One hundred seventy-four (70%) of these women completed and returned the Leadership Practices Inventory-Self.

Findings

The preliminary study investigated these superintendents' perceived sources of job satisfaction, the benefits accrued on the job, their sense of self-fulfillment in the work place and personal strengths they brought to the job. The results of the preliminary study, which consisted of telephone interviews with 21 urban and 30 rural women superintendents, can be described as follows: Most of the urban and rural women superintendents have been hired to be change agents, and they describe their leadership characteristics in similar ways. Whether in a highly bureaucratic, urban organization or a small

rural setting, these women superintendents are successfully building collegial-collaborative organizations. Both are operationalizing leadership skills that fit a new leadership paradigm that values change and connectiveness (Shakeshaft, 1987).

TABLE 1: LPI-SELF

	Female Superintendents (N = 174)		
	Mean	Standard Deviation	Percentile
Challenging the Process	25.78	4.29	83
Inspiring a Shared Vision	25.67	4.27	90
Enabling Others to Act	27.31	4.55	80
Modeling the Way	25.25	4.20	83
Encouraging the Heart	25.51	4.20	82

A preliminary study of the mean scores of the 174 women superintendents on the Leadership Practices Inventory-Self (Kouzes & Posner, 1993) indicates the following: The mean scores of the women superintendents for all five categories are at or above the 80th percentile.[1] This percentile

ranking is classified by Posner and Kouzes (1992) in the self-assessment and analysis manual as a high ranking. In fact, they state that "studies indicate that a high score is one at or above the seventieth percentile" (p. 12). Consideration needs to be given to the differences between our sample of women superintendents and the sample used to norm the LPI-Self. The normative sample consisted of 3,601 males and 1,011 females. (See Psychometric Properties of the Leadership Practices Inventory, 1992, for a full discussion of the LPI.) This sample did not include educators but according to the authors did represent a "full array of functional fields (e.g., management, marketing, finance, manufacturing, accounting, engineering, sales, human resource development, information systems, etc.)" (Posner & Kouzes, 1992, p. 2). The normative sample was only 28% female, but the scores indicate that "male and female respondents are more alike in terms of their leadership practices than they are different. . . although female managers reported that they engaged in Modeling the Way and Encouraging the Heart more frequently than did their male counterparts" (Posner & Kouzes, 1992, p. 14).

In the sample of women superintendents, their percentile ranks indicate that they ranked highest in Inspiring a Shared Vision (90th percentile) and lowest in Enabling Others to Act (80th percentile), but what is most remarkable is the high mean scores in all of the leadership practices. Out of

thirty possible points to measure each practice, the lowest mean score for a category is 25.25 and the highest mean score for a category is 27.31. It is evident that these women do well in the five practices and ten accompanying behaviors that have been described by Kouzes and Posner as the "fundamental practices and behaviors in exemplary leadership" (Kouzes & Posner, 1987, p. 279). Although Kouzes and Posner caution against interpreting the LPI-Self scores independently of LPI-Other feedback, the normative data of the LPI-Other have mean scores for each category that are only plus or minus 1.2 points different from the mean scores for each category of the LPI-Self.

Discussion

We began our preliminary study by looking at the positive aspects of the superintendency because many previous studies focused on the pathology of the position rather than its benefits. As these superintendents talked about what was satisfying about the job and what were the benefits of the job, we find that what they liked about the job was the way they were able to lead---their leadership practices. These leadership practices seemed to be very similar. In general, what they enjoyed was the human relations part of their job---those leadership practices that emphasized the relational aspects of leadership. They recognized the importance and placed value on all kinds of relationships. Those named specifically were relations between and among teachers, relations between and among children and relations with the

community, the school board and state department personnel. Because the preliminary study indicated that the women superintendents we interviewed were using leadership practices different from the practices that have been traditional in educational administration, the LPI-Self was used to provide quantitative data and discrete terminology to the kinds of practices these superintendents were using; this data was also used to contribute to the triangulation of the initial findings (Mathison, 1988).

We chose the LPI-Self because the inventory empirically measures the conceptual framework that we developed when we interviewed the women superintendents and because other researchers have used the LPI to measure what is termed transformational or visionary leadership (Stoner-Zemel, 1988; Tarazi, 1990), a term we thought best described the superintendents we had interviewed. We now have quantitative data that corroborates our initial findings. Both urban and rural women superintendents are using leadership practices that are indeed different from the prevailing model of educational administration, and this shift in leadership practices resembles the paradigm shift in leadership depicted in business management literature. As Wheatley (1992) suggests,

> If the physics of our universe is revealing the primacy of relationships, is it any wonder that we are beginning to

reconfigure our ideas about management in relational terms?

p. 12

This research indicates that there is reason to believe that women superintendents in this country are also seeing the "primacy of relationships" and do configure their ideas about management in relational terms. It is interesting to speculate if other superintendents are doing the same.

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Footnote

[1] The manual for the LPI reports percentile rankings only for the aggregated self ratings and observer ratings and does not separately report percentile equivalents for self and observer ratings, thereby making a direct comparison of our sample subjects with one national sample somewhat problematic. Since self ratings tend to be higher than observer ratings and since our sample data included only self-ratings, it seemed more appropriate to compare our sample data with the national data on self-ratings. To do this, we calculated a weighted mean and standard deviation for the national data, which takes into account the uneven representation of men and women in those data. We then calculated z scores for all possible scores on the LPI-Self. This enabled us to create a table of percentile rankings in self-ratings for the national sample scores. It was then a straightforward procedure to calculate z scores for our sample mean scores of 174 women superintendents in each of the five leadership domains of the LPI using the standard z score formula and then consulting a table of areas under the normal curve to derive percentile rankings for our sample.

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